

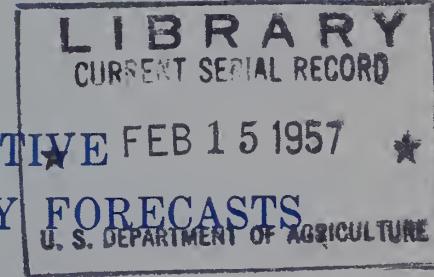
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FEDERAL - STATE COOPERATIVE SNOW SURVEYS and WATER SUPPLY FORECASTS
for
NEVADA



UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
NEVADA STATE ENGINEER

Data included in this report were obtained by the agencies named above
in cooperation with the Federal, State and local organizations listed
on the last page of this report.

AS OF
FEB. 1, 1957

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

TO RECIPIENTS OF COOPERATIVE SNOW SURVEY
AND WATER SUPPLY FORECAST REPORTS:

Snow surveys in the west are conducted each year at more than 1200 snow courses. Basin and Province or State snow survey reports summarizing the results of the measurements and forecasts of seasonal runoff and water supply are issued by the Soil Conservation Service, U. S. Department of Agriculture and some of its co-operators; the Water Rights Branch of the British Columbia Department of Lands and Forests; and the California Division of Water Resources.

Copies of the various federal-state cooperative snow survey reports listed below may be secured by writing to:

Head, Water Supply Forecasting Section
Soil Conservation Service
209 S. W. 5th Avenue
Portland 4, Oregon

BASIN REPORTS:

Colorado, Rio Grande,.. Issued monthly February through May by SCS and Colorado and Platte-Arkansas Experiment Station, Fort Collins, Colorado.*
River Basins

Columbia River Issued monthly January through May by Soil Conservation Service, Boise, Idaho.*

Upper Missouri Issued monthly February through May by SCS and Montana Agricultural Experiment Station, Bozeman Montana.*
River Basin

West-Wide Water Issued April 1 by Soil Conservation Service and Co-Supply Outlook Operators, Portland, Oregon.

STATE REPORTS:

Arizona Issued semi-monthly January 15 through April 1 by SCS and Salt River Valley Water Users Association, Phoenix, Arizona.*

Nevada Issued monthly February through April by SCS and Nevada State Engineer, Reno, Nevada.*

Oregon Issued monthly January through May by SCS, Portland, Oregon, and Oregon Agricultural Experiment Station.*

Utah Issued monthly January through May by SCS, Salt Lake City, Utah, and State Engineer of Utah and Utah Agricultural Experiment Station.*

Washington Issued monthly February through May by SCS, Spokane, Washington, and State Department of Conservation and Development.*

Wyoming Issued monthly February through May by SCS, Casper, Wyoming, and State Engineer of Wyoming.*

*Special reports are issued as needed.

The British Columbia reports are issued February 1 through June 1 and may be secured from Comptroller, Water Rights Branch, Department of Lands and Forests, Parliament Building, Victoria, B. C.

The California reports are issued monthly February 1 through May 1 and may be secured from Division of Water Resources, California Department of Public Works, Sacramento, California.

The annual water supply forecasts of the Weather Bureau are available in monthly bulletins published from January through May. These bulletins entitled, "Water Supply Forecasts for the Western United States" may be obtained from River Forecast Center, Weather Bureau, 712 Federal Office Building, Kansas City 6, Missouri.

FEDERAL - STATE COOPERATIVE
SNOW SURVEYS AND WATER SUPPLY FORECASTS

For

N E V A D A

Report Prepared
By

Norman S. Hall, Hydraulic Engineer

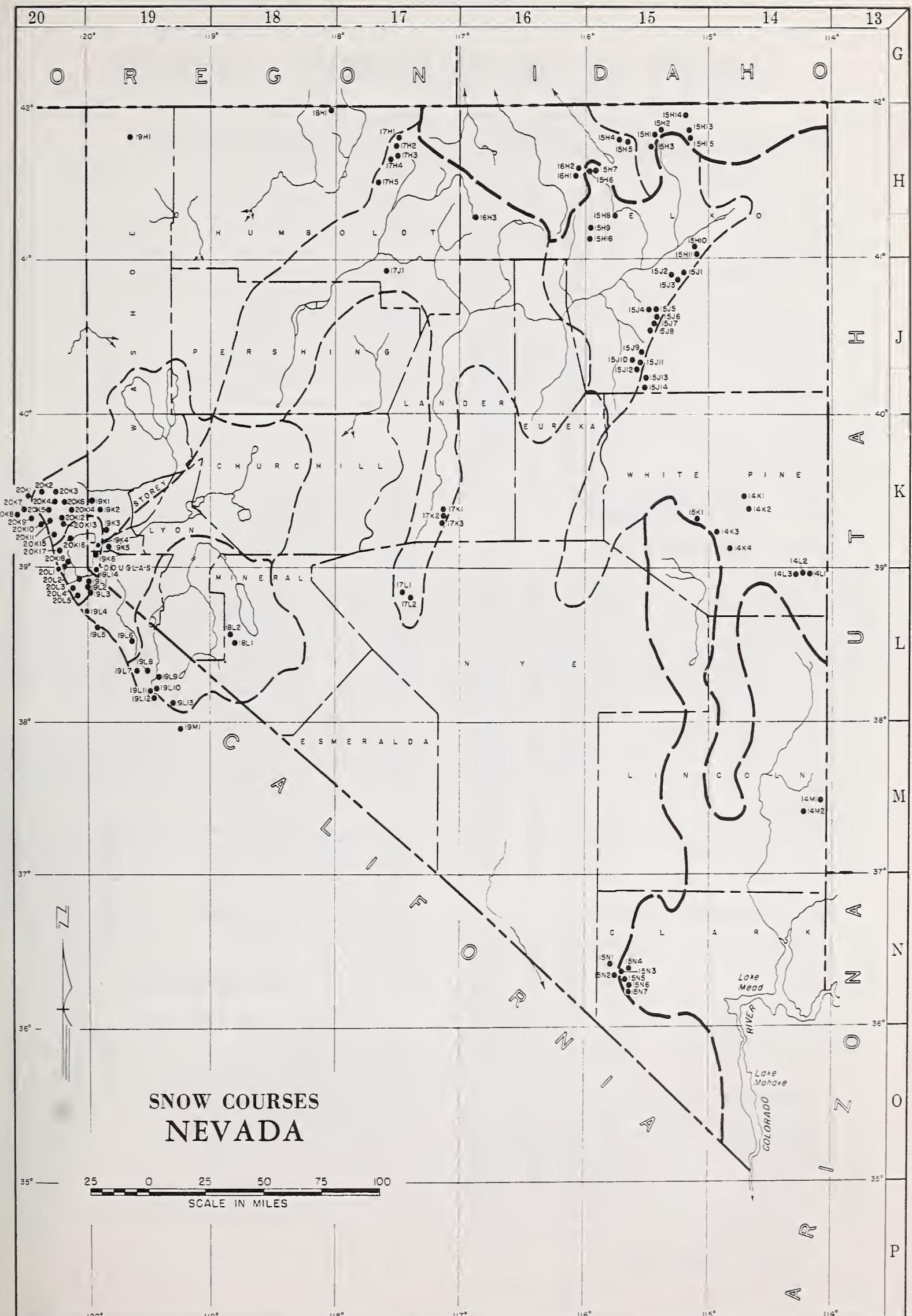
Soil Conservation Service
1485 Wells Avenue
Reno, Nevada

Issued by

George Hardman
State Conservationist
Soil Conservation Service
Reno, Nevada

Hugh A. Shamberger
Nevada State Engineer
Carson City, Nevada

February 9, 1957



SNOW COURSES NEVADA

35° 25° 0 25 50 75 100
SCALE IN MILES

INDEX TO NEVADA SNOW COURSES

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.						
SNAKE RIVER BASIN																	
SNAKE RIVER																	
15H 1	BEAR CREEK	31	46N	58E	7800	19H 1	BALD MOUNTAIN	17	45N	21E	6720						
15H 2	FOX CREEK	33	46N	58E	6800	18H 1	DISASTER PEAK	8	47N	34E	6500						
15H 3	76 CREEK	6	44N	58E	7100	NORTHERN GREAT BASIN											
15H 5*	GOLD CREEK	31	45N	56E	6600	20L 4	(CAL.) LAKE LUCILLE	28	12N	17E	8400						
15H 4*	BIG BENO	30	45N	56E	6700	20L 1	(CAL.) RUBICON #1	6	13N	17E	8100						
15H 13	GOAT CREEK	31	46N	60E	8800	19L 3	(CAL.) HAGANS MEAOOW	36	12N	18E	8000						
15H 14	POLE CREEK RANGER STATION	13	46N	59E	8330	19L 2	(CAL.) FREEL BENCH	36	12N	18E	7300						
15H 15	HUMMINGBIRD SPRINGS	6	45N	60E	8945	20K 17	(CAL.) WARO CREEK	21	15N	16E	7000						
OWYHEE RIVER																	
17H 2*	LOWER BUCKSKIN	25	45N	39E	6700	19L 1	(CAL.) UPPER TRUCKEE	21	12N	18E	6400						
17H 1*	UPPER BUCKSKIN	11	45N	39E	7200	20K 16	(CAL.) TAHOE CITY	6	15N	17E	6250						
17H 3*	MARTIN CREEK	18	44N	40E	6700	20L 2	(CAL.) RUBICON #2	6	13N	17E	7500						
17H 4*	GRANITE PEAK	22	44N	39E	7800	20K 18	(CAL.) RUBICON#3	32	14N	17E	6700						
15H 5	GOLO CREEK	31	45N	56E	6600	20L 3	(CAL.) RICHARSONS #2	6	12N	18E	6500						
15H 4	BIG BEND	30	45N	56E	6700	20L 5	(CAL.) ECHO SUMMIT	6	11N	18E	7500						
15H 7*	FRY CANYON	31	43N	54E	6700	19K 4	MARLETTE LAKE	13	15N	18E	8000						
15H 6*	ROdeo FLAT	36	43N	53E	6800	19L 14	DAGGETTS PASS	19	13N	19E	7350						
16H 1	LOWER JACK CREEK	18	42N	53E	6800	19K 6	GLENBROOK #2	13	14N	18E	6900						
16H 2	UPPER JACK CREEK	9	42N	53E	7250	19K 2*	MT. ROSE	7	17N	19E	9000						
15H 8*	TREMewan RANCH	9	39N	55E	5700	TRUCKEE RIVER											
15H 9*	TAYLOR CANYON	35	39N	53E	6200	20K 5	(CAL.) INOEPENDENCE LAKE	9	18N	15E	8450						
INTERIOR																	
UPPER HUMBOLDT RIVER																	
15H 1*	BEAR CREEK	31	46N	58E	7800	20K 1*	(CAL.) WEBBER PEAK	30	19N	14E	8000						
15H 2*	FOX CREEK	33	46N	58E	6800	20K 10*	(CAL.) DONNER SUMMIT	25	17N	14E	6900						
15H 3*	76 CREEK	6	44N	58E	7100	20K 17*	(CAL.) WARO CREEK	21	15N	16E	7000						
15H 5*	GOLD CREEK	31	45N	56E	6600	20K 2	(CAL.) WEBBER LAKE	20	19N	14E	7000						
15H 4*	BIG BENO	30	45N	56E	6700	20K 6	(CAL.) SAGE HEN CREEK	7	18N	16E	6500						
15H 7	FRY CANYON	31	43N	54E	6700	20K 16*	(CAL.) TAHOE CITY	6	15N	17E	6250						
15H 6	ROdeo FLAT	36	43N	53E	6800	20K 13	(CAL.) TRUCKEE #2	22	17N	16E	6400						
16H 1*	LOWER JACK CREEK	18	42N	53E	6800	20K 3	(CAL.) INOEPENDENCE CREEK	14	19N	15E	6500						
16H 2*	UPPER JACK CREEK	9	42N	53E	7250	20K 14	(CAL.) BOCA #2	28	18N	17E	5900						
15H 8	TREMewan RANCH	9	39N	55E	5700	20K 8*	(CAL.) FURNACE FLAT	10	17N	13E	6600						
15H 9	TAYLOR CANYON	35	39N	53E	6200	20K 7*	(CAL.) FORDYCE LAKE	34	18N	13E	6500						
15H 10	LOWER TROUT CREEK	28	37N	61E	6900	20K 9*	(CAL.) SOOA SPRINGS	23	17N	14E	6750						
15H 11	UPPER TROUT CREEK	4	36N	61E	8500	20K 4	(CAL.) INOEPENDENCE CAMP	34	19N	15E	7000						
15J 1	DORSEY BASIN	28	35N	60E	8100	19K 2	MT. ROSE	7	17N	19E	9000						
15J 2	RYAN RANCH	1	34N	59E	5800	20K 12	(CAL.) TRUCKEE RANGER STA.	10	17N	16E	6000						
15J 3	DRY CREEK	5	34N	60E	6500	20K 11	(CAL.) DONNER LAKE	14	17N	15E	5950						
15J 4	LAMOILLE #1	15	32N	58E	7100	19K 1	BIG MEADOWS	15	18N	18E	8800						
15J 5	LAMOILLE #2	14	32N	58E	7300	19K 3	LITTLE VALLEY	17	16N	19E	6300						
15J 6	LAMOILLE #3	24	32N	58E	7700	20K 15	(CAL.) SOUAW VALLEY	6	15N	16E	7500						
15J 7	LAMOILLE #4	19	32N	59E	8000	CARSON RIVER											
15J 8	LAMOILLE #5	31	32N	59E	8700	19L 4	(CAL.) CARSON PASS	22	10N	18E	8600						
15J 9	GREEN MOUNTAIN	23	29N	57E	8000	19L 6	(CAL.) POISON FLAT	25	8N	21E	7900						
15J 10	HARRISON PASS #1	9	28N	57E	6600	19L 5	(CAL.) BLUE LAKES	30	9N	19E	8000						
15J 11	HARRISON PASS #2	16	28N	57E	7400	19K 5	CLEAR CREEK	16	14N	19E	7300						
15J 12	CORRAL CANYON	27	28N	57E	8500	WALKER RIVER											
15H 16	SUSIE CREEK	3	36N	54E	6175	19L 12	(CAL.) CENTER MOUNTAIN	4	3N	23E	9400						
LOWER HUMBOLDT RIVER																	
17H 2	LOWER BUCKSKIN	25	45N	39E	6700	19L 7	(CAL.) SONORA PASS	1	5N	21E	8800						
17H 1	UPPER BUCKSKIN	11	45N	39E	7200	19L 11	(CAL.) BUCKEYE FORKS	20	4N	23E	8500						
17H 3	MARTIN CREEK	18	44N	40E	6700	19L 13	(CAL.) VIRGINIA LAKES	5	2N	25E	9500						
17H 4	GRANITE PEAK	22	44N	39E	7800	19L 9	(CAL.) WILLOW FLAT	21	5N	23E	8260						
17H 5	LAMANCE CREEK	13	42N	38E	6000	19L 10	(CAL.) BUCKEYE ROUGHS	15	4N	23E	7900						
16H 3	MIOAS	18	39N	46E	7200	19L 8	(CAL.) LEAVITT MEADOWS	4	5N	22E	7200						
17K 1	BIG CREEK CAMP GROUND	10	17N	43E	6600	19M 1*	(CAL.) TIOGA PASS	30	1N	25E	9900						
17K 2	BIG CREEK MINE	23	17N	43E	7600	18L 1	LAPON MEADOW	36	8N	28E	9000						
17K 3	UPPER BIG CREEK	26	17N	43E	8000	18L 2	MT. GRANT	23	8N	28E	9000						
17L 1	LOWER CORRAL	12	11N	40E	7500	COLORADO											
17L 2	UPPER CORRAL	20	11N	41E	8500	15N 6	RAINBOW CANYON	31	19S	57E	7800						
17J 1	GOLCONDA	22	35N	39E	6000	15N 5	KYLE CANYON	26	19S	56E	8200						
EASTERN NEVADA																	
15J 13	CAVE CREEK	25	27N	57E	7500	15N 4	LEE CANYON #1	10	19S	56E	8300						
15J 14	HAGER CANYON	34	27N	57E	8000	15N 3	LEE CANYON #2	9	19S	56E	9000						
14K 3	MURRAY SUMMIT	25	16N	62E	7250	15N 7	RAINBOW CANYON #2	6	20S	57E	8100						
14L 1	BAKER #1	29	13N	69E	7950	14M 1	MATHEW CANYON	11	5S	70E	6000						
14L 2	BAKER #2	30	13N	69E	8950	14M 2	PINE CANYON	11	6S	69E	6200						
14L 3	BAKER #3	25	13N	68E	9250	LOWER COLORADO RIVER											
14K 2	BERRY CREEK	26	17N	65E	9100	CENTRAL GREAT BASIN											
14K 1	BIRD CREEK	34	19N	65E	7500	NORTHERN GREAT BASIN											
15K 1	ROBINSON SUMMIT	34	18N	61E	7600	WYHEE RIVER											
14K 4	WARO MOUNTAIN	25	15N	62E	7875	INTERIOR											
15N 2	CLARK CANYON	8	19S	56E	9000	UPPER HUMBOLDT RIVER											
15N 1	TROUGH SPRINGS	23	18S	55E	8500	LOWER HUMBOLDT RIVER											

* LOCATED ON ADJACENT WATERSHED

WATER SUPPLY OUTLOOK
FOR NEVADA

February 1, 1957

* * * * *

* Snow stored water in mountain watersheds *

* is below normal throughout most of the *

* State of Nevada. The present outlook is *

* for water shortages in areas not served *

* by reservoired water. *

* * * * *

Snow surveys made in northern Nevada on the Owyhee, Snake, and Humboldt watersheds indicate snow stored water to be about 45 percent of the 1938-52 15 year February 1 average.

In the Sierra Mountains, the Truckee River watershed is about 80 percent of the February 1, 1938-52 15 year average while the Lake Tahoe watershed snow water is about 70 percent of the 15 year average. Moving south along the eastern slope of the Sierras, Carson Pass snow course measured about 80 percent of normal as of this date. In the Walker watershed three key courses are about 65 percent of the February 1, 1938-52 15 year average.

In southeastern Nevada at Pine and Mathew Canyons on Clover Creek, tributary to Meadow Valley Wash, snow surveys indicate above normal snow water but it is melting and going into the ground.

In northern and western portions of the State, the soil mantle beneath the snowpack is wet from October rains. The cold January temperatures have prevented the usual low elevation melt.

The U. S. Geological Survey reported that winter streamflow continued near average. Runoff of the Humboldt River at Palisade during the month of January was 97 percent of average while the West Walker near Coleville, California flowed at 119 percent of average.

Reservoirs in the western part of the State are above average, about 125 percent of the February 1, 1938-52 15 year average. Rye Patch Reservoir on the Lower Humboldt River stored 38,000 acre feet, or 46 percent of the February 1, 1938-52 15 year average. Wild Horse Reservoir on the Owyhee is nearly full, storing 32,000 acre feet. Storage of water in Lake Mead is only about 43 percent of available capacity and releases of water for the past year and a half have been limited to those necessary to provide water for only downstream irrigation and domestic requirements.

STATUS OF RESERVOIR STORAGE

FEBRUARY 1, 1957

BASIN AND STREAM	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE FEET			
			1957	1956	1955	15-YR. AVE. 1938-52
Owyhee	Wild Horse	33	32	3	2	11
Lower Humboldt	Rye Patch	179	38	10	7	82
Colorado	Mohave	1,810	1,670	1,645	1,654	New reservoir*
Colorado	Mead	27,217	11,768	11,231	12,305	19,082
Tahoe	Tahoe	732	560	524	393	412
Truckee	Boca	41	4	17	3	12
Carson	Lahontan	286	195	209	138	188
West Walker	Topaz	59	49	37	16	35
East Walker	Bridgeport	42	35	3 $\frac{1}{4}$	1 $\frac{1}{4}$	30

* Storage began in 1950. The 1950-56 average is 1,392,000

NEVADA SNOW SURVEYS FEBRUARY 1, 1957

DRAINAGE BASIN and SNOW COURSE		No.	Elev.	SNOW COVER MEASUREMENTS						
				Date of Survey	Snow Depth (In.)	Water Content (In.)	: Past Record			Prior 1938-52 Yrs. of Record
							1957	: Water Content 1956	1955	Avg.
SNAKE RIVER										
Bear Creek	15H1	7800	1/28	49	12.5	18.0	9.2	-	-	2
*Big Bend	15H4	6700	1/31	17	4.1	11.2	3.4	10.4	-	9
Fox Creek	15H2	6800	1/28	22	4.7	6.3	4.3	-	-	2
Goat Creek	15H13	8800	1/29	39	10.3	19.2	5.6	-	-	2
*Gold Creek	15H5	6600	1/31	12	2.9	6.8	2.3	6.0	-	8
Hummingbird Springs	15H15	8945	1/29	50	12.8	20.8	8.1	-	-	2
Pole Creek R.S.	15H14	8330	1/29	43	11.3	15.3	6.4	-	-	2
76 Creek	15H3	7100	1/30	23	4.9	13.2	5.2	-	-	2
OWYHEE RIVER										
*Bear Creek	15H1	7800	1/28	49	12.5	18.0	9.2	-	-	2
Big Bend	15H4	6700	1/31	17	4.1	11.2	3.4	10.4	-	9
*Fox Creek	15H2	6800	1/28	22	4.7	6.3	4.3	-	-	2
Fry Canyon	15H7	6700	1/31	17	3.5	7.8	5.1	8.5	-	7
Gold Creek	15H5	6600	1/31	12	2.9	6.8	2.3	6.0	-	8
*Granite Peak	17H4	6700	1/31	32	9.9	15.8	-	-	-	1
Lower Jack Cr.	16H1	6300	2/1	12	2.8	3.2	-	-	-	1
*Martin Creek	17H3	6700	2/1	19	4.2	10.0	-	-	-	1
Rodeo Flat	15H6	6800	1/31	17	3.9	7.0	5.0	8.8	-	7
*76 Creek	15H3	7100	1/30	23	4.9	13.2	5.2	-	-	2
Taylor Canyon	15H9	6200	2/1	10	1.8	7.9	-	-	-	1
*Tremewan Ranch	15H8	5700	1/31	7	0.8	2.9	1.5	-	-	2
Upper Jack Cr.	16H2	7250	2/1	25	6.9	7.5	-	-	-	1
UPPER HUMBOLDT										
*Bear Creek	15H1	7800	1/28	49	12.5	18.0	9.2	-	-	2
*Big Bend	15H4	6700	1/31	17	4.1	11.2	3.4	10.4	-	9
*Fox Creek	15H2	6800	1/28	22	4.7	6.3	4.3	-	-	2
Fry Canyon	15H7	6700	1/31	17	3.5	7.8	5.1	8.5	-	7
*Gold Creek	15H5	6600	1/31	12	2.9	6.8	2.3	6.0	-	8
Lamoille #1	15J4	7100	2/4	21	6.0	11.3	5.2	5.1	-	12
Lamoille #2	15J5	7200	2/4	18	4.7	8.9	4.4	-	-	4
Lamoille #3	15J6	7700	2/4	29	7.0	12.7	6.1	-	-	4
Lamoille #4	15J7	8000	2/4	36	11.3	19.6	7.3	-	-	4
Lamoille #5	15J8	8700	2/4	49	15.3	32.8	11.0	-	-	4
*Lower Jack Cr.	16H1	6800	2/1	12	2.8	3.2	-	-	-	1
Rodeo Flat	15H6	6800	1/31	17	3.9	7.0	5.0	8.8	-	7
*76 Creek	15H3	7100	1/30	23	4.9	13.2	5.2	-	-	2
*Taylor Canyon	15H9	6200	2/1	10	1.8	7.9	-	-	-	1
Tremewan Ranch	15H8	5700	1/31	7	0.8	2.9	1.5	-	-	1
*Upper Jack Cr.	16H2	7250	2/1	25	6.9	7.5	-	-	-	1

*Located on adjacent drainage

NEVADA SNOW SURVEYS FEBRUARY 1, 1957

DRAINAGE BASIN and SNOW COURSE	No.	Elev.	SNOW COVER MEASUREMENTS							
			Date of Survey	1957		: Past Record		Prior 1938-52 Yrs.of Record		
				Snow Depth (In.)	: Water Content (In.)	: Water Content (In.)	1956	1955	Avg.	
LOWER HUMBOLDT										
Granite Peak	17H4	7800	1/31	32	9.9	15.8	-	-	-	1
Martin Creek	17H3	6700	2/1	19	4.2	10.0	-	-	-	1
LOWER COLORADO RIVER										
Mathew Canyon	14M1	6000	2/1	15	6.3	0.	8.1	2.8	8	
Pine Canyon	14M2	6200	2/2	15	6.3	0	8.4	3.3	8	
TAHOE										
Daggetts Pass	19L14	7350	1/29	25	6.2	11.8	8.1	9.2	10	
*Echo Summit	20L5	7500	2/1	58	19.3	50.9	25.1	25.9**	15	
Freel Bench	19L2	7300	1/30	26	6.3	-	9.7	11.7	6	
Glenbrook #2	19K6	6900	1/30	27	5.8	-	9.1	11.7	4	
Hagans Meadow	19L3	8000	1/30	31	8.7	-	14.3	13.3	3	
Marlette Lake	19K4	8000	1/29	35	9.7	29.1	16.6	14.1**	16	
Richardsons #2	20L3	6500	1/30	44	11.1	16.5	11.7	17.6	7	
Tahoe City	20K16	6250	1/31	26	8.6	10.5	7.3	9.4	22	
Upper Truckee	19L1	6400	1/30	27	7.8	-	8.8	9.1	9	
Ward Creek	20K17	7000	1/31	68	20.9	51.6	27.7	29.8	9	
TRUCKEE										
Boca #2	20K14	5900	1/30	22	5.3	10.1	6.3	7.4	9	
Donner Lake	20K11	5950	1/30	43	12.6	-	13.4	17.4	8	
*Donner Summit	20K10	6900	1/29	49	15.4	44.3	25.8	23.2	35	
*Fordyce Lake	20K7	6500	1/30	52	17.4	40.1	24.6	21.3**	29	
*Furnace Flat	20K8	6600	1/30	68	22.4	50.3	32.0	24.1**	30	
Sage Hen Creek	20K6	6500	2/1	40	11.0	22.1	11.1	15.0	13	
*Soda Springs	20K9	6750	1/29	47	16.2	47.7	24.7	21.6	27	
Tahoe City	20K16	6250	1/31	26	8.6	10.5	7.3	9.4**	22	
Truckee #2	20K13	6400	2/1	31	9.0	-	9.1	10.4	7	
Truckee R.S.	20K12	6000	1/28	32	7.3	13.4	9.1	11.9	9	
*Ward Creek	20K17	7000	1/31	68	20.9	51.6	27.7	29.8	9	
CARSON RIVER										
Carson Pass	19L4	8600	1/31	52	16.9	42.5	23.6	20.9	26	
WALKER RIVER										
Sonora Pass	19L7	8800	1/28	33	8.8	35.9	14.6	-	3	
*Tioga Pass	19M1	9900	1/30	30	8.4	55.0	15.3	19.4	8	
Virginia Lakes	19L13	9500	1/28	33	7.8	31.6	11.4	-	3	

* Located on adjacent drainage

** Average is for less than 15 years of record in the 1938-52 period.

Agencies Cooperating in Collecting Data Contained
in this Bulletin

FEDERAL

Soil Conservation Service
Forest Service
Geological Survey
Bureau of Reclamation
Fish and Wildlife Service
Army
Navy
Air Force
Weather Bureau
Agricultural Research Service

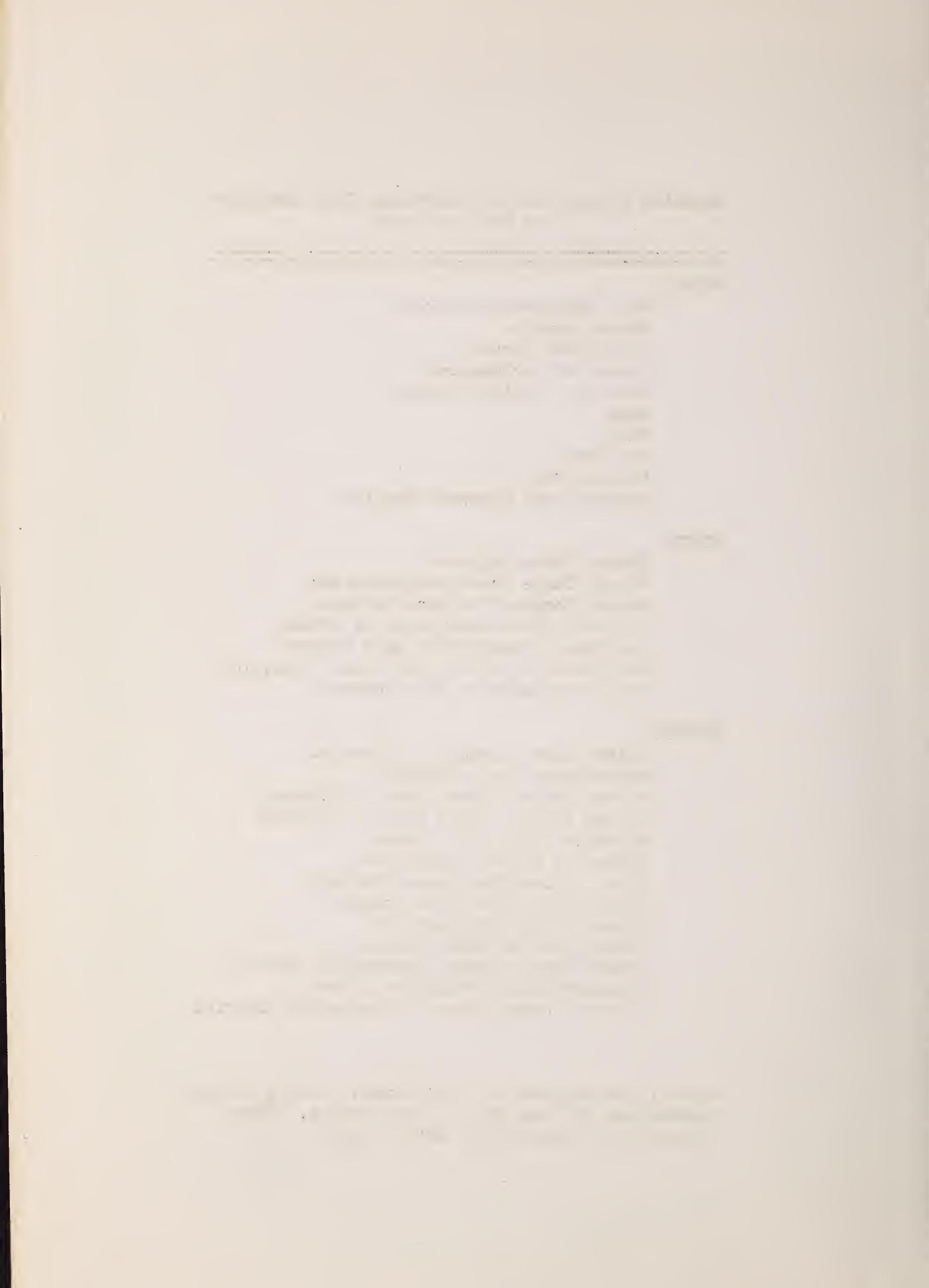
STATE

Nevada State Engineer
Nevada State Forester-Firewarden
Nevada Cooperative Snow Surveys
Colorado River Commission of Nevada
California Cooperative Snow Surveys
California Department of Water Resources
Oregon Cooperative Snow Surveys

PRIVATE

Walker River Irrigation District
Amalgamated Sugar Company
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Virginia City Water Company
Kennecott Copper Corporation
Squaw Valley Development Company
Pacific Gas & Electric Company
Nevada Irrigation District
Sierra Pacific Power Company
Washoe County Water Conservation District
Truckee-Carson Irrigation District
Pershing County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged



Federal - State - Private
COOPERATIVE SNOW SURVEYS

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Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

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“WATER IS THE WEST'S GREATEST RESOURCE”